

Table No. 1. Showing the comparative wound protective properties of Pine Tar Oil, Bone Oil, Diphenylamine, Numbers 8, 9, 22 and 26, Walter Russell Ranch, 1938.

Treatment	No. Cases	Average Size of Wound	Protection			Days to Heal		Percent Mortality
			Ave. Days Initial	Ave. Days for All Re-treats	Ave. No. Re-treats per Animal	Ave.	Range	
Pine Tar Oil	27	2.44 x 1.54 x 1.02	8.51	8.49	2.85	35.8	15-123	18.18
Bone Oil	7	1.21 x 1.14 x .86	10.3	8.33	1.3	23.7	12-52	22.22
Diphenylamine	49	2.36 x 1.94 x 1.16	11.83	11.92	1.81	35.9	10-96	24.61
Number 8	37	2.28 x 1.78 x 1.12	12.32	10.48	1.68	32.3	12-92	15.90
Number 9	5	2.30 x 1.9 x 1.3	8.5	5.1	3.8	38.0	24-62	37.50
Number 22	10	2.25 x 2.0 x 1.17	14.2	10.3	1.5	32.3	21-61	16.66
Number 26	16	2.14 x 1.7 x 1.07	16.1	11.36	.69	31.1	15-47	15.78

[illegible]

1. On electric bell, showing the company and giving the name of the person calling, as well as the number of the house, and the name of the street, and the name of the city, and the name of the state, and the name of the country, and the name of the world.

Table No. 2. Showing the comparative wound protective properties of Pine Tar Oil, Bone Oil, Diphenylamine, Numbers 8, 9, 22 and 26, M. Treadwell Ranch, 1938.

Treatment	No. Cases	Average Size of Wound	Protection			Days to Heal		Percent Mortality
			Ave. Days Initial	Ave. Days for All Re-treats	Ave. No. Re-treats per Animal	Ave. Range		
Pine Tar Oil	19	2.5 x 1.84 x 1.22	10.94	9.40	2.11	34.0	12-62	17.39
Bone Oil	4	2.0 x 1.87 x 1.25	21.25	28.0	.25	28.8	22-32	0
Diphenylamine	28	2.36 x 1.90 x 1.30	12.80	13.08	1.0	30.1	13-62	15.15
Number 8	19	2.25 x 2.00 x 1.18	19.81	15.40	.73	32.8	14-56	17.39
Number 9	5	2.1 x 2.0 x 1.3	15.8	7.9	1.6	33.0	20-51	0
Number 22	7	2.43 x 2.07 x 1.32	16.1	13.0	1.0	31.4	10-49	0
Number 26	9	2.27 x 2.05 x 1.36	13.9	19.3	.66	29.1	14-56	0

Table No. 3. Showing the comparative wound protective properties of Pine Tar Oil, Bone Oil, Diphenylamine, Numbers 8, 9, 22 and 26, John Treadwell Ranch, 1938.

Treatment	No. Cases	Average Size of Wound	Protection			Days to Heal			Percent Mortality
			Ave.	Ave. Days	Ave. No.				
			Days	for All	Re-treats	Ave.	Range		
			Initial	Re-treats	per Animal				
Pine Tar Oil	21	2.77 x 2.21 x 1.23	7.67	7.0	4.1	43.0	11-88	30.00	
Bone Oil	13	3.17 x 2.83 x 1.66	4.66	6.3	4.66	43.0	23-68	0	
Diphenylamine	45	1.97 x 1.73 x 1.27	17.30	9.75	1.02	28.8	9-82	15.09	
Number 8	34	1.71 x 1.53 x 1.04	15.59	14.12	.91	28.4	10-76	10.52	
Number 9	7	1.86 x 1.86 x 1.21	23.14	10.0	.14	27.6	15-48	0	
Number 22	9	1.95 x 1.66 x 1.1	20.2	20.0	.22	25.2	16-56	0	
Number 26	15	1.93 x 1.66 x 1.15	13.9	13.6	.53	22.1	13-44	6.25	

Treatment	Cages No.	Size of Group Vaccines	Infection		No. of Animals	Days to Heal	Percent Healed
			Days	Days			
Number 36	12	11.22 x 1.00 x 1.00	12.2	12.2	12	12.2	0.00
Number 33	3	11.22 x 1.00 x 1.00	50.5	50.5	33	50.5	0
Number 3	3	11.22 x 1.00 x 1.00	12.2	12.2	3	12.2	0
Number 8	24	11.22 x 1.00 x 1.00	12.2	12.2	24	12.2	10.00
Dibenzylamine	24	11.22 x 1.00 x 1.00	12.2	12.2	24	12.2	10.00
Bone Oil	12	11.22 x 1.00 x 1.00	12.2	12.2	12	12.2	0
Line 1st Oil	12	11.22 x 1.00 x 1.00	12.2	12.2	12	12.2	0.00

Dibenzylamine, Number 2, 3, 55 and 56, 10th December 1929.
 Table No. 3. Showing the comparative amount of vaccine absorbed by the animals, none of the

Table No. 4. Showing the comparative wound protective properties of Pine Tar Oil, Bone Oil, Diphenylamine, Numbers 8, 9, 22 and 26, Fred Speck Ranch, 1938.

Treatment	No.	Average Size of Wound	Protection			Days to Heal		Percent Mortality
			Ave.	Ave. Days	Ave. No.	Ave.	Range	
			Initial	Re-treats	Re-treats	per Animal		
Pine Tar Oil	21	2.05 x 1.73 x 1.05	5.76	8.63	2.90	37.7	6-82	12.50
Bone Oil	1	1.0 x 1.0 x .5	5.0	13.5	2.0	36.0	36	100.00
Diphenylamine	28	1.8 x 1.49 x 1.01	16.04	11.6	1.86	40.9	14-129	20.00
Number 8	29	1.82 x 1.54 x 1.0	13.46	12.65	1.34	32.5	10-72	6.45
Number 9	1	1.5 x 1.0 x 1.0	5.0	20.0	1.0	28.0	28	0
Number 22	4	2.0 x 1.75 x 1.25	17.0	14.1	1.25	32.8	23-48	20.00
Number 26	5	1.4 x 1.0 x .90	7.4	14.1	1.2	24.2	16-41	0

Table No. 5. Showing the comparative wound protective properties of Pine Tar Oil, Bone Oil, Diphenylamine, Numbers 8, 9, 22 and 26, Fritz Wilhelm Ranch, 1938.

Treatment	No. Cases	Average Size of Wound	Protection			Days to Heal		Percent Mortality
			Ave. Days Initial	Ave. Days for All Re-treats	Ave. No. Re-treats per Animal	Ave.	Range	
Pine Tar Oil	7	2.43 x 2.28 x 1.11	13.43	7.66	1.71	29.0	17-39	12.50
Bone Oil	2	2.0 x 2.0 x 1.75	7.5	19.0	1.0	28.0	13-43	0
Diphenylamine	19	1.9 x 1.67 x .87	17.0	13.7	1.21	35.3	13-88	20.83
Number 8	15	1.83 x 1.47 x 1.08	14.3	15.62	1.07	32.7	18-66	21.05
Number 9	2	1.0 x .75 x .75	24.0	23.0	.5	35.5	16-55	0
Number 22	4	1.75 x 1.12 x .87	23.5	—	0	23.5	16-33	0
Number 26	8	1.81 x 1.62 x .84	16.0	27.0	.37	26.7	15-42	0

Имя	Фамилия	Степень	Возраст	Стаж	Средний балл	Профессия		Образование		Итого баллов
						Средний балл	Стаж	Средний балл	Стаж	
Иванов	Иван	Средний	35	10	85	85	85	85	85	85
Петров	Петр	Средний	30	10	80	80	80	80	80	80
Сидоров	Сидор	Средний	30	10	80	80	80	80	80	80
Климов	Клима	Средний	30	10	80	80	80	80	80	80
Васильев	Василий	Средний	30	10	80	80	80	80	80	80
Попов	Попов	Средний	30	10	80	80	80	80	80	80
Морозов	Мороз	Средний	30	10	80	80	80	80	80	80
Михайлов	Михаил	Средний	30	10	80	80	80	80	80	80
Кузнецов	Кузнец	Средний	30	10	80	80	80	80	80	80
Лебедев	Лебед	Средний	30	10	80	80	80	80	80	80
Зинин	Зинин	Средний	30	10	80	80	80	80	80	80
Березин	Берез	Средний	30	10	80	80	80	80	80	80
Воробьев	Вороб	Средний	30	10	80	80	80	80	80	80
Смирнов	Смирн	Средний	30	10	80	80	80	80	80	80
Матвеев	Матвей	Средний	30	10	80	80	80	80	80	80
Павлов	Павел	Средний	30	10	80	80	80	80	80	80
Соколов	Сокол	Средний	30	10	80	80	80	80	80	80
Борисов	Борис	Средний	30	10	80	80	80	80	80	80
Волков	Волк	Средний	30	10	80	80	80	80	80	80
Григорьев	Григор	Средний	30	10	80	80	80	80	80	80
Давыдов	Давид	Средний	30	10	80	80	80	80	80	80
Иванов	Иван	Средний	30	10	80	80	80	80	80	80
Петров	Петр	Средний	30	10	80	80	80	80	80	80
Сидоров	Сидор	Средний	30	10	80	80	80	80	80	80
Климов	Клима	Средний	30	10	80	80	80	80	80	80
Васильев	Василий	Средний	30	10	80	80	80	80	80	80
Попов	Попов	Средний	30	10	80	80	80	80	80	80
Морозов	Мороз	Средний	30	10	80	80	80	80	80	80
Михайлов	Михаил	Средний	30	10	80	80	80	80	80	80
Кузнецов	Кузнец	Средний	30	10	80	80	80	80	80	80
Лебедев	Лебед	Средний	30	10	80	80	80	80	80	80
Зинин	Зинин	Средний	30	10	80	80	80	80	80	80
Березин	Берез	Средний	30	10	80	80	80	80	80	80
Воробьев	Вороб	Средний	30	10	80	80	80	80	80	80
Смирнов	Смирн	Средний	30	10	80	80	80	80	80	80
Матвеев	Матвей	Средний	30	10	80	80	80	80	80	80
Павлов	Павел	Средний	30	10	80	80	80	80	80	80
Соколов	Сокол	Средний	30	10	80	80	80	80	80	80
Борисов	Борис	Средний	30	10	80	80	80	80	80	80
Волков	Волк	Средний	30	10	80	80	80	80	80	80

1981, June 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, July 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, August 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, September 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, October 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, November 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, December 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

Table No. 6. Showing the comparative wound protective properties of Pine Tar Oil, Bone Oil, Diphenylamine, Numbers 8, 9, 22 and 26, all ranches, 1938.

Treatment			Protection		Days to Heal		Percent Mortality
	No.	Average	Ave.	Ave. Days	Ave. No.		
	Cases	Size of Wound	Days Initial	for All Re-treats	Re-treats per Animal	Ave. Range	
Pine Tar Oil	95	2.54 x 1.88 x 1.12	8.55	8.2	2.9	36.94 6-123	19.49
Bone Oil	17	1.73 x 1.63 x 1.15	11.65	9.14	1.46	29.31 12-68	15.00
Diphenylamine	169	2.11 x 1.77 x 1.15	14.96	11.75	1.41	33.80 9-129	19.52
Number 8	134	1.98 x 1.66 x 1.07	14.68	12.65	1.21	31.47 10-92	13.54
Number 9	20	1.93 x 1.75 x 1.19	16.82	7.1	1.49	32.34 15-62	13.04
Number 22	34	2.38 x 1.79 x 1.16	17.60	12.34	.85	29.25 10-61	8.10
Number 26	53	1.98 x 1.67 x 1.09	14.30	15.15	.64	26.90 13-56	7.01

Table No. 7 Showing the results of field tests of all animals treated,
all ranches combined, Menard, Texas, 1938.

Treatment	'Number'	Average	'Days Protection'		'Ave. No. 'Re-treats'
	'of 'Wounds'	'Size of Wound'	'Ave. 'Initial'	'Ave. for 'All Re-treats'	
Pine Tar Oil	125	2.70 x 2.13 x 1.22	6.88	6.46	3.17
Bone Oil	21	2.40 x 2.16 x 1.25	9.38	7.33	1.86
Diphenylamine	208	2.52 x 2.12 x 1.25	12.9	9.71	1.70
Number 8	154	2.21 x 1.86 x 1.19	14.19	10.58	1.46
Number 9	22	2.23 x 2.00 x 1.29	17.1	7.90	1.32
Number 22	40	2.27 x 2.02 x 1.21	15.72	11.69	.80
Number 26	66	2.03 x 1.70 x 1.09	14.03	10.10	.95

Table No. 8. Showing frequency of reinfestations for the various chemicals, Walter Russell Ranch, Field Tests, Menard, Texas, 1938.

Treatment	Total	Number and Percent of Treatments Giving Various Days Protection, by Days																	
		0		1		2		3		4		5		6		7		Over	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Pine Tar Oil	139	8	5.8	22	15.8	32	23.0	18	12.9	6	4.3	9	6.5	6	4.3	2	1.4	36	25.9
Bone Oil	24	2	8.3	6	25.0	7	29.2	1	4.2	1	4.2	0	0	0	0	0	0	7	29.2
Diphenylamine	173	1	0.6	2	1.2	15	8.7	17	9.8	15	8.7	15	8.7	15	8.7	5	2.9	88	50.9
Number 8	121	0	0	4	3.3	13	10.7	19	15.7	9	7.4	5	4.1	12	9.9	8	6.6	51	42.1
Number 9	25	0	0	1	4.0	2	8.0	3	12.0	6	24.0	3	12.0	2	8.0	2	8.0	6	24.0
Number 22	26	0	0	1	3.8	2	7.7	3	11.5	2	7.7	2	7.7	2	7.7	0	0	14	53.8
Number 26	55	1	1.8	4	7.3	8	14.5	1	1.8	13	23.6	3	5.5	3	5.5	0	0	22	40.0

Table No. 9. Showing frequency of reinfestations for the various chemicals, M. Treadwell Ranch, Field Tests, Menard, Texas, 1938.

Treatment	Total	Number and Percent of Treatments Giving Various Days Protection, by Days																	
		0		1		2		3		4		5		6		7		Over	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Pine Tar Oil	99	6	6.1	30	30.3	13	13.1	9	9.1	4	4.0	4	4.0	4	4.0	1	1.0	28	28.3
Bone Oil	11	0	0	0	0	3	27.3	1	9.1	2	18.2	0	0	0	0	0	0	5	45.5
Diphenylamine	113	0	0	15	13.3	14	12.4	8	7.1	10	8.8	7	6.2	9	8.0	5	4.4	45	39.8
Number 8	35	0	0	0	0	0	0	1	2.9	1	2.9	3	8.6	1	2.9	3	8.6	26	74.2
Number 9	13	0	0	1	7.7	1	7.7	3	23.1	1	7.7	0	0	1	7.7	1	7.7	5	38.5
Number 22	14	0	0	1	7.1	3	21.4	1	7.1	0	0	1	7.1	0	0	0	0	8	57.1
Number 26	18	0	0	1	5.6	1	5.6	0	0	1	5.6	1	5.6	0	0	2	11.1	12	66.7

Table No. 10. Showing frequency of reinfestations for the various chemicals, John Treadwell Ranch, Field Tests, Menard, Texas, 1938.

Treatment	Total	Number and Percent of Treatments Giving Various Days Protection, by Days																	
		0		1		2		3		4		5		6		7		Over	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Pine Tar Oil	155	14	9.0	43	27.7	28	18.1	15	9.7	9	5.8	6	3.9	4	2.6	2	1.3	34	21.9
Bone Oil	17	1	5.9	3	17.6	2	11.8	2	11.8	2	11.8	2	11.8	1	5.9	0	0	4	23.5
Diphenylamine	116	1	0.9	6	5.2	11	9.5	15	12.9	9	7.8	8	6.9	6	5.2	4	3.4	56	48.3
Number 8	82	0	0	2	2.4	6	7.3	8	9.8	5	6.1	4	4.9	8	9.8	3	3.7	46	56.1
Number 9	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	100.0
Number 22	12	0	0	0	0	1	8.3	0	0	0	0	0	0	1	8.3	0	0	10	83.3
Number 26	24	0	0	0	0	2	8.3	2	8.3	1	4.2	2	8.3	1	4.2	0	0	16	66.7

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NAME		AGE		SEX		RACE		RELIGION		EDUCATION		OCCUPATION		MARRIAGE		CHILDREN		PROPERTY		REMARKS			
NO.	NAME	AGE	SEX	RACE	RELIGION	EDUCATION	OCCUPATION	MARRIAGE	CHILDREN	PROPERTY	REMARKS	NO.	NAME	AGE	SEX	RACE	RELIGION	EDUCATION	OCCUPATION	MARRIAGE	CHILDREN	PROPERTY	REMARKS
1	John Doe	35	M	W	C	H	Farmer	Married	2	1000	Good	2	Jane Doe	32	F	W	C	H	Farmer	Married	1	500	Good
2	John Smith	40	M	W	C	H	Teacher	Married	3	1500	Good	3	Jane Smith	38	F	W	C	H	Teacher	Married	2	750	Good
3	John Brown	45	M	W	C	H	Doctor	Married	4	2000	Good	4	Jane Brown	42	F	W	C	H	Doctor	Married	3	1000	Good
4	John White	50	M	W	C	H	Engineer	Married	5	2500	Good	5	Jane White	48	F	W	C	H	Engineer	Married	4	1250	Good
5	John Black	55	M	W	C	H	Lawyer	Married	6	3000	Good	6	Jane Black	52	F	W	C	H	Lawyer	Married	5	1500	Good

Table No. 11. Showing frequency of reinfestations for the various chemicals, F. Speck Ranch, Field Tests, Menard, Texas, 1938.

Treatment	Total	Number and Percent of Treatments Giving Various Days Protection, by Days																	
		0		1		2		3		4		5		6		7		Over	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Pine Tar Oil	105	5	4.8	27	25.7	25	23.8	12	11.4	3	2.9	3	2.9	2	1.9	3	2.9	25	23.8
Bone Oil	3	0	0	0	0	0	0	0	0	0	0	1	33.3	0	0	0	0	2	66.7
Diphenylamine	90	0	0	4	4.4	11	12.2	9	10.0	11	12.2	6	6.7	3	3.3	5	5.6	41	45.6
Number 8	72	0	0	2	2.8	5	6.9	10	13.9	4	5.6	6	8.3	0	0	4	5.6	41	56.9
Number 9	2	0	0	0	0	0	0	0	0	0	0	1	50.0	0	0	0	0	1	50.0
Number 22	11	0	0	1	9.1	0	0	2	18.2	0	0	0	0	1	9.1	0	0	7	63.6
Number 26	11	0	0	0	0	1	9.1	0	0	2	18.2	0	0	1	9.1	1	9.1	6	54.5

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Table No. 12. Showing frequency of reinfestations for the various chemicals, F. Wilhelm Ranch, Field Tests, Menard, Texas, 1938.

Treatment	Total	Number and Percent of Treatments Giving Various Days Protection, by Days																	
		0		1		2		3		4		5		6		7		Over	
		Observations	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Pine Tar Oil	24	0	0	6	25.0	4	16.7	3	12.5	2	8.3	0	0	1	4.2	0	0	8	33.3
Bone Oil	5	0	0	2	40.0	1	20.0	0	0	0	0	0	0	0	0	0	0	2	40.0
Diphenylamine	70	1	1.4	2	2.9	9	12.9	11	15.7	3	4.3	7	10.0	3	4.3	2	2.9	32	45.7
Number 8	70	0	0	3	4.3	9	12.9	9	12.9	6	8.6	7	10.0	4	5.7	2	2.9	30	42.9
Number 9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	100.0
Number 22	9	0	0	0	0	0	0	1	11.1	1	11.1	2	22.2	0	0	0	0	5	55.6
Number 26	21	0	0	1	4.8	0	0	2	9.5	2	9.5	0	0	1	4.8	2	9.5	13	61.9

Table No. 13. Showing frequency of reinfestations for the various chemicals, all ranches combined, Field Tests, Menard, Texas, 1938.

Treatment	Total	Number and Percent of Treatments Giving Various Days Protection, by Days																	
		0		1		2		3		4		5		6		7		Over	
		Observations	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Pine Tar Oil	522	33	6.3	128	24.5	102	19.5	57	10.9	24	4.6	22	4.2	17	3.3	8	1.5	131	25.1
Bone Oil	60	3	5.0	11	18.3	13	21.7	4	6.7	5	8.3	3	5.0	1	1.7	0	0	20	33.3
Diphenylamine	562	3	0.5	29	5.2	60	10.7	60	10.7	48	8.5	43	7.7	36	6.4	21	3.7	262	46.6
Number 8	380	0	0	11	2.9	33	8.7	47	12.4	25	6.6	25	6.6	25	6.6	20	5.3	194	51.1
Number 9	51	0	0	2	3.9	3	5.9	6	11.8	7	13.7	4	7.8	3	5.9	3	5.9	23	45.1
Number 22	72	0	0	3	4.2	6	8.3	7	9.7	3	4.2	5	6.9	4	5.6	0	0	44	61.1
Number 26	129	1	.8	6	4.6	12	9.3	5	3.9	19	14.7	6	4.6	6	4.6	5	3.9	69	53.5

Table No. 14. Showing results of field tests in different classes of animals, all ranches combined, Menard, Texas, 1938.

Treatment	Kind of Animal	Average Size of Wound	Number of Wounds	Average Initial Protection	Average No. of Re-treats	Average All Re-treats
Pine Tar Oil 13.75	Sheep	2.62 x 2.04 x 1.22	98	5.64	3.32	6.37
	Goats	3.68 x 2.92 x 1.28	16	13.87	2.62	7.93
	Cattle	2.02 x 1.83 x 1.11	11	7.82	2.64	5.31
	Hogs					
Bone Oil 2.26	Sheep	3.04 x 2.8 x 1.45	9	4.11	3.22	5.79
	Goats	1.60 x 1.41 x 1.00	10	15.40	.60	12.00
	Cattle	4.00 x 4.00 x 2.00	1	1.00	2.00	16.50
	Hogs	1.50 x 1.50 x 1.00	1	5.00	2.00	6.50
Diphenylamine 7.32	Sheep	2.56 x 2.12 x 1.20	126	12.30	2.24	9.25
	Goats	2.87 x 2.55 x 1.40	42	15.90	1.00	11.40
	Cattle	2.10 x 1.81 x 1.32	34	12.10	.82	11.21
	Hogs	1.71 x 1.24 x 1.03	6	13.00	.33	12.50
Number 8 7.06	Sheep	2.22 x 1.84 x 1.18	107	13.54	1.72	10.56
	Goats	2.57 x 2.27 x 1.21	17	14.17	.76	18.70
	Cattle	2.17 x 1.87 x 1.38	23	16.48	1.22	6.82
	Hogs	1.44 x 1.11 x .83	7	16.71	.14	13.0
Number 9 3.72	Sheep	2.25 x 1.96 x 1.36	11	18.10	1.73	7.37
	Goats	2.25 x 1.88 x .88	3	19.70	.33	16.00
	Cattle	2.30 x 2.21 x 1.43	7	14.70	1.29	8.10
	Hogs	1.5 x 1.5 x 1.0	1	15.00	0	--
Number 22 4.42	Sheep	2.23 x 2.02 x 1.20	22	13.82	.86	11.37
	Goats	2.28 x 1.94 x 1.16	8	19.10	.87	9.43
	Cattle	2.50 x 2.30 x 1.40	7	15.00	.86	15.33
	Hogs	2.00 x 1.70 x 1.00	3	22.30	0	--
Number 26 6.12	Sheep	1.87 x 1.55 x 1.03	44	14.57	1.14	8.70
	Goats	2.50 x 2.04 x 1.20	11	12.90	.82	13.40
	Cattle	2.25 x 2.0 x 1.25	10	12.50	.40	20.50
	Hogs	1.50 x 1.50 x 1.00	1	18.00	0	--

500% less than 1) 2.26 12.00 = 16.43 = 83.57% less than P.T.O.

11.40 = 53.24 = 46.76% less than P.T.O.

18.70 = 51.35 = 48.65% less than P.T.O.

16.00 = 27.05 = 72.95% less than P.T.O.

9.43 = 32.15 = 67.85% less than P.T.O.

13.40 = 44.51 = 55.49% less than P.T.O.

[illegible]

Table No. 15. Showing numbers of various types of wounds treated in field tests, Menard, Texas, 1938.

Type of Wound	Ranches and Number of Wounds					All Ranches	
						Combined	
	Russell Ranch	M. Treadwell	J. Treadwell	F. Speck	F. Wilhelm	Number	Percent
Birth	0	7	20	1	0	28	4.0
Boils - Warts	6	2	12	4	3	27	3.9
Ear	13	5	2	7	7	34	4.8
Eye	32	16	39	32	9	128	18.1
Flies	0	12	11	0	3	26	3.7
Foot	5	6	4	2	1	18	2.5
Genital	37	7	7	2	11	64	9.0
Head	69	17	11	30	27	154	21.8
Mouth	4	4	0	16	2	26	3.7
Shear Cuts	27	19	11	6	8	71	10.0
Miscellaneous	21	25	47	22	16	131	18.5

Separation Sheet

Collection Name: Southeast United States: Screwworm Eradication Program
Records

Item: Table No. 16

Original location: Box 7, Folder 170 – Tables from Walter Russell Ranch

Subject/Series: II.A – Report, Data

New location: Oversize, Box 10, Folder 358 – Tables from Walter Russell Ranch

Table No.17. Showing the average number of egg masses per wound on animals treated with various chemicals, all ranches combined, Field Tests, Menard, Texas, 1938.

Treatment	Number of Wounds	Number of Egg Masses	Average Number Egg Masses per Wound
Pine Tar Oil	132	867	6.6
Bone Oil	24	111	4.6
Diphenylamine	245	1240	5.1
Number 8	171	726	4.3
Number 9	26	39	1.5
Number 22	45	95	2.1
Number 26	68	191	3.0

Table No. 17. Showing the average number of egg masses per wound on animals treated with various chemicals, all ranches combined, Field Tests, Menard, Texas, 1938.

Treatment	Number of Wounds	Number of Egg Masses	Average Number Egg Masses per Wound
Pine Tar Oil	132	867	6.6
Bone Oil	24	111	4.6
Diphenylamine	242	1240	5.1
Number 8	171	726	4.3
Number 9	26	39	1.5
Number 22	42	92	2.1
Number 26	68	191	2.8

Table No. 18. Showing the estimated number of larvae per reinfestations in wounds treated with various chemicals, all ranches combined, Field Tests, Menard, Texas, 1938.

Treatment	Number Age & No. Larvae for each Reinfestation											Total No. Reinfestations	Ave. No. Larvae	
	of Wounds	Cochliomyia americana					Secondary spp.			Total No. for Each				
		1	2	3	4	5	1	2	3	Larvae	Reinfestation			
Pine Tar Oil	125	197	134	84	54	75	208	84	55		431	94633	219	
Bone Oil	21	186	92	35	50	0	65	33	0		43	6210	144	
Diphenylamine	208	159	97	53	19	12	156	55	18		392	70987	181	
Number 8	154	182	123	45	20	6	142	26	0		238	44432	186	
Number 9	22	140	93	30	8	18	50	0	0		30	3130	104	
Number 22	40	142	107	30	14	0	68	100	0		38	4913	129	
Number 26	66	151	62	22	11	7	64	10	0		75	9214	123	

Treatment	Number	of										Coccyzus erythrophthalmus										Total										Value										No. of each																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	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Table No. 19. Showing number and percentage of screwworm cases involving the primary screwworm and secondary blowflies, all ranches combined, Field Tests, Menard, Texas, 1938.

Species	Original				All			
	Infestation		Reinfestations		Infestations			
	No.	%	No.	%	No.	%		
	Cases	Cases	Cases	Cases	Cases	Cases		
<u>Gochliomyia americana</u>	693	84.1	1179	88.8	1872	87.0		
Secondary blowflies	131	15.9	149	11.2	280	13.0		

Table No. 19. Showing number and percentage of acromioclavicular cases involving the primary acromioclavicular and secondary dislocations, all ranches combined, Field Tests, Kansas, 1938.

Species	Original		All	
	No.	%	No.	%
<i>Cochlidomyia americana</i>				
Primary	693	84.1	1179	88.8
Secondary	131	15.9	142	11.2
Total	824	100.0	1321	100.0

Table No. 20. Showing the kind and relative incidence of secondary blowflies involved in myiasis, Field Tests, Menard, Texas, 1938.

Species	Original				All			
	Infestation		Reinfestations		Infestations			
	No.	%	No.	%	No.	%		
	Cases	Cases	Cases	Cases	Cases	Cases		
<u>Cochliomyia macellaria</u>	120	85.10	60	36.36	180	58.82		
<u>Sarcophaga spp.</u>	18	12.77	95	57.57	113	36.93		
<u>Phormia regina</u>	3	2.13	10	6.06	13	4.25		

Table No. 20. Showing the kind and relative incidence of secondary diseases involved in myxias, Texas, 1938.

Species	Original	All
	No. of	No. of
	Cases	Cases
<i>Gochilomyia maculipes</i>	120 : 85.10	60 : 30.36
<i>Stenophanes</i> sp.	18 : 12.77	22 : 11.3
<i>Thomalia testis</i>	3 : 2.13	10 : 6.06
		4.22